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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/777,516	02/06/2001	Bernard Aspar	BREV 12370 CON3	8626
7590	12/18/2002			
Hayes, Soloway, Hennessey, Grossman & Hage, PC 175 Canal Street Manchester, NH 03101			EXAMINER	
			FOURSON III, GEORGE R	
			ART UNIT	PAPER NUMBER
			2823	
DATE MAILED: 12/18/2002				

Please find below and/or attached an Office communication concerning this application or proceeding.

Offic Action Summary	Application No.	Applicant(s)
	09/777,516	ASPAR ET AL. <i>GJW</i>
	Examiner	Art Unit
	George Fourson	2823

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
- Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) Responsive to communication(s) filed on 08 July 2002.
- 2a) This action is FINAL. 2b) This action is non-final.
- 3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.
- 4) Claim(s) 13-20 is/are pending in the application.
 - 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) Claim(s) _____ is/are allowed.
- 6) Claim(s) 13-20 is/are rejected.
- 7) Claim(s) _____ is/are objected to.
- 8) Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) The specification is objected to by the Examiner.
- 10) The drawing(s) filed on _____ is/are: a) accepted or b) objected to by the Examiner.

Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
- 11) The proposed drawing correction filed on _____ is: a) approved b) disapproved by the Examiner.

If approved, corrected drawings are required in reply to this Office action.
- 12) The oath or declaration is objected to by the Examiner.

Priority under 35 U.S.C. §§ 119 and 120

- 13) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 - a) All
 - b) Some *
 - c) None of:
 1. Certified copies of the priority documents have been received.
 2. Certified copies of the priority documents have been received in Application No. _____.
 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.
- 14) Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application).
 - a) The translation of the foreign language provisional application has been received.
- 15) Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121.

Attachment(s)

1) <input type="checkbox"/> Notice of References Cited (PTO-892)	4) <input type="checkbox"/> Interview Summary (PTO-413) Paper No(s). _____
2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)	5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152)
3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO-1449) Paper No(s) _____	6) <input type="checkbox"/> Other: _____

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The terminal disclaimer filed on 7/8/02 disclaiming the terminal portion of any patent granted on this application which would extend beyond the expiration date of the full statutory term as defined in 35 USC 154-156 and 173, as presently shortened by any terminal disclaimer, of U.S. Patent No. 6,225,192 has been reviewed and is accepted. The terminal disclaimer has been recorded.

The first line of the specification should be amended to reflect the claim to priority under 35 USC 120 in the transmittal paper filed 2/6/01. 37 CFR 1.53(d).

On pages 8-10 of the 16 page IDS filed 2/6/01 the citations must be corrected to include the publication source. 37 CFR 1.98(b)(5).

Claims 13-20 are rejected under 35 U.S.C. 112, first paragraph, because the specification, while being enabling for formation of microcavities using the conditions at instant page 8, line 34, at less than 350°C (p.8, line 25), the conditions at page 9, line 11 or the conditions at page 9, lines 17-19, does not reasonably provide enablement for recitation of formation of microcavities broadly. The specification does not enable any person skilled in the art to which it pertains, or with which it is most nearly connected, to practice the invention commensurate in scope with these claims. Applicant discusses on pages 8 and 9 for example that there is a particular relationship between implantation energy, implantation dose and temperature of implantation but provides insufficient guidance to determine suitable combinations to achieve the recited formation of microcavities without undue experimentation.

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The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in a patent granted on an application for patent by another filed in the United States before the invention thereof by the applicant for patent, or on an international application by another who has fulfilled the requirements of paragraphs (1), (2), and (4) of section 371(c) of this title before the invention thereof by the applicant for patent.

Claims 13-20 are rejected under 35 U.S.C. 102(e) as being anticipated by Henley.

Henley discloses implantation of hydrogen ions through surface 14 at a dose ranging from 10^{15} - 10^{18} ions/cm² at 1 KeV-1 MeV and at -200-600°C. The preferred dose is greater than 10^{16} and the preferred temperature is less than 400°C (col.4, lines 38-45). The reference discloses heating the implanted substrate at about 350°C prior to twisting to separate the thin film from the substrate (col.5, lines 12-35). It appears that the recited microcavities would be formed because the same materials are treated in the same manner as in the instant invention.

Any inquiry of a general nature or relating to the status of this application should be directed to the Group Receptionist whose telephone number is (703) 308-0956. See MPEP 203.08.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to examiner George Fourson whose telephone number is (703) 308-2544. The examiner can normally be reached on Monday through Friday.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Olik Chaudhuri, can be reached on (703) 306-2794. The fax number for this group is (703)308-7722 (or extensions 7724, 3431 or 3432) for regular communications and (703)308-7382 for after final communications.


George Fourson
Primary Examiner
Art Unit 2823

GFourson

12/16/02